

Heavy Duty Truck Manufacturing: 2002

Issued September 2004

EC02-311-336120

2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
336120, Heavy duty truck manufacturing .. 2002..	81	99	29 829	1 228 881	22 708	42 124	860 547	2 878 457	13 188 735	16 100 669	181 987
2001..	N	N	27 454	1 211 876	21 119	37 464	834 421	2 277 358	10 203 207	12 613 408	504 871
2000..	N	N	35 033	1 619 393	28 390	52 030	1 177 176	4 747 197	14 818 892	19 527 998	298 435
1999..	N	N	37 018	1 732 485	30 328	60 855	1 323 914	5 040 557	17 273 610	22 268 429	244 045
1998..	N	N	33 594	1 439 213	27 606	53 381	1 113 662	5 878 945	12 253 536	18 121 914	131 474
1997..	75	84	28 409	1 218 370	23 070	45 927	939 092	4 260 702	10 298 892	14 509 032	130 292

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336120, Heavy duty truck manufacturing												
United States	—	99	54	29 829	1 228 881	22 708	42 124	860 547	2 878 457	13 188 735	16 100 669	181 987
California	1	10	4	1 065	49 260	738	1 689	27 481	163 433	323 176	485 019	4 700
Indiana	1	8	4	834	29 273	564	1 578	16 570	157 874	427 322	586 696	5 559
Michigan	—	5	3	897	35 115	585	2 462	17 570	59 661	231 618	288 679	1 936
Ohio	—	10	5	4 562	250 595	3 397	7 352	181 735	697 600	2 029 621	2 722 802	12 353

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
336120, Heavy duty truck manufacturing	
Companies ¹	number.. 81
All establishments ²	number.. 99
Establishments with 1 to 19 employees	number.. 45
Establishments with 20 to 99 employees	number.. 12
Establishments with 100 employees or more	number.. 42
All employees ³	number.. 29 829
Total compensation	\$1,000.. 1 788 454
Annual payroll	\$1,000.. 1 228 881
Total fringe benefits	\$1,000.. 559 573
Production workers, average for year	number.. 22 708
Production workers on March 12	number.. 21 542
Production workers on May 12	number.. 23 131
Production workers on August 12	number.. 24 212
Production workers on November 12	number.. 21 929
Production worker hours	1,000.. 42 124
Production worker wages	\$1,000.. 860 547
Total cost of materials	\$1,000.. 13 188 735
Materials, parts, containers, packaging, etc., used	\$1,000.. 12 667 445
Resales	\$1,000.. 265 147
Purchased fuels	\$1,000.. 195 578
Purchased electricity	\$1,000.. 33 291
Contract work	\$1,000.. 27 274
Quantity of electricity purchased for heat and power	1,000 kWh.. 634 249
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 16 100 669
Primary products value of shipments	\$1,000.. 15 458 786
Secondary products value of shipments	\$1,000.. 338 815
Total miscellaneous receipts	\$1,000.. 303 068
Value of resales	\$1,000.. 300 605
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 98
Value of primary products shipments made in all industries	\$1,000.. 16 521 984
Value of primary products shipments made in this industry	\$1,000.. 15 458 786
Value of primary products shipments made in other industries	\$1,000.. 1 063 198
Coverage ratio	percent.. 94
Value added	\$1,000.. 2 878 457
Total inventories, beginning of year	\$1,000.. 877 667
Finished goods inventories	\$1,000.. 173 786
Work-in-process inventories	\$1,000.. 289 205
Materials and supplies inventories	\$1,000.. 414 676
Total inventories, end of year	\$1,000.. 952 674
Finished goods inventories	\$1,000.. 139 757
Work-in-process inventories	\$1,000.. 289 757
Materials and supplies inventories	\$1,000.. 523 160
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 2 385 045
Total capital expenditures (new and used)	\$1,000.. 181 987
Buildings and other structures (new and used)	\$1,000.. 39 848
Machinery and equipment (new and used)	\$1,000.. 142 139
Automobiles, trucks, etc., for highway use	\$1,000.. 3 727
Computers and peripheral data processing equipment	\$1,000.. 18 953
All other expenditures for machinery and equipment	\$1,000.. 119 459
Total retirements	\$1,000.. 67 891
Gross value of depreciable assets at end of year	\$1,000.. 2 499 141
Depreciation charges during year	\$1,000.. 208 831
Total rental payments	\$1,000.. 50 062
Buildings and other structures	\$1,000.. 11 733
Machinery and equipment	\$1,000.. 38 329
Total other expenses ⁴	\$1,000.. 301 721
Response coverage ratio ⁵	percent.. 91
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 94 978
Communications services ⁴	\$1,000.. 5 801
Legal services ⁴	\$1,000.. 4 403
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 029
Advertising and promotional services ⁴	\$1,000.. 5 876
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 20 013
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 7 753
Management consulting and administrative services ⁴	\$1,000.. 15 404
Taxes and license fees ⁴	\$1,000.. 13 962
All other expenses ⁴	\$1,000.. 131 501

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
336120, Heavy duty truck manufacturing											
All establishments	—	99	29 829	1 228 881	22 708	42 124	860 547	2 878 457	13 188 735	16 100 669	181 987
Establishments with—											
1 to 4 employees	9	25	50	1 730	36	57	1 261	3 085	15 872	19 864	712
5 to 9 employees	9	7	48	1 977	38	63	1 540	6 193	17 091	23 284	705
10 to 19 employees	9	13	181	6 882	137	228	5 270	21 312	53 948	75 242	2 323
20 to 49 employees	6	8	294	10 630	245	397	8 102	22 025	59 629	82 207	2 649
50 to 99 employees	7	4	315	11 201	236	463	8 542	20 882	62 787	87 476	4 430
100 to 249 employees	1	13	2 309	82 153	1 731	3 357	54 410	181 529	478 369	667 134	10 314
250 to 499 employees	1	10	3 624	135 299	2 542	6 865	76 548	314 908	1 262 094	1 588 857	15 850
500 to 999 employees	1	9	6 475	257 345	4 806	7 063	184 807	992 712	3 153 183	4 122 506	29 713
1,000 to 2,499 employees	—	8	j	D	D	D	D	D	D	D	D
2,500 employees or more	—	2	i	D	D	D	D	D	D	D	D
Administrative records ⁴	9	35	189	7 538	149	246	5 824	23 446	64 709	88 155	2 886

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
336120	Heavy duty truck manufacturing	99	29 829	1 228 881	22 708	42 124	860 547	2 878 457	13 188 735	16 100 669	181 987
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb . .	13	6 482	315 725	4 697	10 099	207 758	450 484	2 633 672	3 120 666	21 585
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more . . .	17	14 497	624 933	11 532	19 898	452 399	1 604 289	8 590 642	10 149 280	102 236
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture)	22	8 094	262 941	5 878	11 283	181 639	752 379	1 811 573	2 608 896	52 056

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
336120	Heavy duty truck manufacturing	2002.. N	X	X	16 521 984
	..... 1997.. N	N	X	X	16 850 333
3361201	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	2002.. N	X	X	3 543 166
	..... 1997.. N	N	X	X	4 158 870
33612011	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	2002.. N	X	X	3 543 166
	..... 1997.. N	N	X	X	4 158 870
3361201100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 14,001 to 33,000 lb	2002.. 17	X	94 639.0	3 543 166
	..... number. 1997.. 14	14	X	S	4 158 870
3361202	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	2002.. N	X	X	10 351 764
	..... 1997.. N	N	X	X	11 167 520
33612021	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	2002.. N	X	X	10 351 764
	..... 1997.. N	N	X	X	11 167 520
3361202100	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 lb or more	2002.. 16	X	168 946.0	10 351 764
	..... number. 1997.. 15	15	X	S	11 167 520
3361203	Buses, including military and firefighting vehicles (chassis of own manufacture)	2002.. N	X	X	2 404 696
	..... 1997.. N	N	X	X	1 449 208
33612031	Buses, including military and firefighting vehicles (chassis of own manufacture)	2002.. N	X	X	1 737 500
	..... 1997.. N	N	X	X	1 449 208
3361203101	Buses, including military (except trolley buses) (chassis of own manufacture)	2002.. 6	X	X	1 475 671
	..... 1997.. 15	15	X	X	1 313 421
3361203104	Firefighting vehicles (chassis of own manufacture)	2002.. 9	X	X	261 829
	..... 1997.. 13	13	X	X	135 787
3361203Y	Buses, including military and firefighting vehicles (chassis of own manufacture), nsk	2002.. N	X	X	667 196
	..... 1997.. N	N	X	X	—
3361203YVV	Buses, including military and firefighting vehicles (chassis of own manufacture), nsk	2002.. N	X	X	667 196
	..... 1997.. N	N	X	X	—
336120W	Heavy duty truck manufacturing, nsk, total	2002.. N	X	X	222 358
	..... 1997.. N	N	X	X	74 735
336120WY	Heavy duty truck manufacturing, nsk, total	2002.. N	X	X	222 358
	..... 1997.. N	N	X	X	74 735
336120WYWW	Heavy duty truck manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	140 928
	..... 1997.. N	N	X	X	14 279
336120WYWY	Heavy duty truck manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	81 430
	..... 1997.. N	N	X	X	60 456

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336120	Heavy duty truck manufacturing		
00900001	Total materials	X	12 667 445
	.....2002..	X	10 122 592
	.....1997..	X	D
33631200	Gasoline engines and parts specially designed for gasoline engines	X	D
	.....2002..	X	1 723 853
	.....1997..	X	1 179 562
33631803	Diesel engines and parts specially designed for diesel engines	X	1 095 241
	.....2002..	X	724 290
	.....1997..	X	D
33635007	Drive train components and parts	X	D
	.....2002..	X	D
	.....1997..	X	D
33621101	Car bodies	X	D
	.....2002..	X	D
	.....1997..	X	D
001900A6	Refrigeration compressors, compressor units, condensing units, and other heat transfer equipment	X	127 940
	.....2002..	X	55 155
	.....1997..	X	208 766
33633000	Shocks, struts, and other suspension equipment and parts	X	60 031
	.....2002..	X	45 092
	.....1997..	X	13 728
33639901	Exhaust systems and parts	X	4 290
	.....2002..	X	82
	.....1997..	X	36 916
33351501	Machine tool accessories, including cutting tools	X	16 435
	.....2002..	X	20 658
	.....1997..	X	1 299
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic)	X	8 742
	.....2002..	X	1 424
	.....1997..	X	39 612
33291207	Fluid power valves (hydraulic and pneumatic)	X	4 451
	.....2002..	X	16 897
	.....1997..	X	1 542
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic)	X	D
	.....2002..	X	N
	.....1997..	X	N
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic)	X	169 364
	.....2002..	X	108 060
	.....1997..	X	34 548
33399901	Fluid power filters (hydraulic and pneumatic)	X	D
	.....2002..	X	D
	.....1997..	X	D
00190087	Other transportation related fluid power products, hydraulic and pneumatic	X	D
	.....2002..	X	N
	.....1997..	X	N
33637000	Automotive stampings (including body parts, hubcaps, fenders, etc.)	X	169 364
	.....2002..	X	108 060
	.....1997..	X	34 548
33261100	Steel springs (excluding wire)	X	D
	.....2002..	X	D
	.....1997..	X	D
33251011	Motor vehicle metal hardware (lock units, door and window handles, hinges, etc.), excluding forgings	X	35 371
	.....2002..	X	26 541
	.....1997..	X	118 268
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	38 874
	.....2002..	X	158 595
	.....1997..	X	38 085
33200049	Other fabricated metal products (excluding forgings)	X	D
	.....2002..	X	D
	.....1997..	X	D
33210000	Forgings	X	D
	.....2002..	X	N
	.....1997..	X	N
33100035	Castings, rough and semifinished	X	D
	.....2002..	X	D
	.....1997..	X	D
33100033	Metal shapes and forms (excluding castings, forgings, and fabricated metal products)	X	56 950
	.....2002..	X	15 674
	.....1997..	X	10 344
33299101	Ball and roller bearings (mounted or unmounted)	X	D
	.....2002..	X	D
	.....1997..	X	D
32621003	Pneumatic tires and inner tubes	X	201 161
	.....2002..	X	68 809
	.....1997..	X	47 241
32622001	Rubber and plastics hose and belting	X	4 964
	.....2002..	X	24 543
	.....1997..	X	D
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets)	X	D
	.....2002..	X	5 614
	.....1997..	X	D
33999103	Gaskets (all types), and packing and sealing devices	X	D
	.....2002..	X	D
	.....1997..	X	D
32610033	Fabricated plastics products (including components, housings, accessories, etc.), excluding gaskets, hose and belting	X	28 062
	.....2002..	X	8 844
	.....1997..	X	43 339
32720005	Glass and glass products (including windows and mirrors)	X	15 893
	.....2002..	X	67 237
	.....1997..	X	46 582
33636003	Seats (purchased separately) for automobiles, trucks, and buses	X	7 950
	.....2002..	X	D
	.....1997..	X	D
33636007	Seat covers, seat belts, and shoulder harnesses	X	D
	.....2002..	X	D
	.....1997..	X	D
33639911	Automotive air bag assemblies and parts	X	D
	.....2002..	X	D
	.....1997..	X	D
33636001	Automotive trimmings, textile (panels, headliners, etc.)	X	87 320
	.....2002..	X	32 360
	.....1997..	X	D
31411003	Carpeting	X	D
	.....2002..	X	D
	.....1997..	X	D
32552002	Glues and adhesives	X	4 231
	.....2002..	X	N
	.....1997..	X	N
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product	X	69 411
	.....2002..	X	N
	.....1997..	X	N
33632200	Engine electrical equipment (including spark plugs, magnetos, generators, starters, etc.)	X	78 419
	.....2002..	X	32 383
	.....1997..	X	28 123
33632100	Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures), excluding auto lamps	X	8 886
	.....2002..	X	18 168
	.....1997..	X	2 193
33511003	Automotive lamps (bulbs and sealed beams)	X	29 828
	.....2002..	X	13 438
	.....1997..	X	16 904
33591103	Storage batteries, automotive	X	10 910
	.....2002..	X	51 650
	.....1997..	X	28 183
33431001	Automotive radios and loudspeakers	X	56 110
	.....2002..	X	11 723
	.....1997..	X	D
33451400	Motor vehicle clusters, meters, and gauges (including speedometers and fuel level gauges), excluding electrical	X	D
	.....2002..	X	D
	.....1997..	X	D
001900C1	Semiconductors and related devices and electronic control modules	X	D
	.....2002..	X	D
	.....1997..	X	D
33411103	Purchased computers for incorporation into motor vehicles, trucks, and buses	X	D
	.....2002..	X	D
	.....1997..	X	D

See footnotes at end of table.

Table 7. Materials Consumed by Kind: 2002 and 1997—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336120	Heavy duty truck manufacturing—Con.		
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	6 693 638
	.....1997..	X	2 121 470
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	1 045 163
	.....1997..	X	5 178 999

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.